NORTH SOUTH UNIVERSITY

Digital Blood Bank

A Web Service Based on API from where People can get blood in emergency situation

A DISSERTATION
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SENIOR DESIGN PROJECT

Declaration

It is hereby acknowledged that,

- No illegitimate procedure has been practiced during the making of this document.
- This document does not contain any previously published content without proper citation.
- This document represents our own edification while being undergraduate students in the North South University.

Sincerely,

Ashfi Mehenaz
1812002042

Sajid Ul Alam
1812347042

Md Meraj Hasan
1812577042

Approval

I certify that I have read this dissertation and that, in my opinion, it is fully adequate in scope and quality as a dissertation.

Dr. Mohammad Ashrafuzzaman Khan
Associate Professor
Department of Electrical and Computer Engineering
North South University
Dhaka, Bangladesh

I certify that I have read this dissertation and that, in my opinion, it is fully adequate in scope and quality as a dissertation.

Dr. Rajesh Palit
Professor & Chair
Department of Electrical and Computer Engineering
North South University
Dhaka, Bangladesh

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Abstract

Our main purpose of this project is to help the people . Basically our project is health oriented and random people would be benefited using this web service named Blood Bank. Before implementing this idea we went through various types of research to check if there were any sort of web service available similar to our idea and we found some web service but we want to implement it in a different pattern so that general people can use it without facing any problem. Suppose, if there is any emergency and anyone needs a necessary group of blood then they can get the necessary information regarding the blood donor and according to their requirement's they can contact each other through this web service. In the frontend part of our web service we are using html, css, javascript. In the backend part we are using Django. For the documentation and testing we are using Swagger. We are using sqlite for our database and for API's we are implementing in Restful API. Through the building process of this website, we have to undergo different types of research to make our system even more helpful and easier to access for the general people. We faced several difficulties when we started to implement this because some things were not possible as we intended then tried different ways to solve those problems following comparatively easy procedures. And finally, we are able to make this web service as we desire.